

**Abstract:**

One of the objects is to provide a three-dimensional measuring equipment for measuring a three-dimensional surface shape of an object efficiently with high accuracy. A three-dimensional data acquisition device comprises an object position measuring sensor for detecting the position of the object in a space, a measuring camera for capturing the object, and a measuring camera position measuring sensor for detecting the position of the measuring camera in the space. A three-dimensional data processing means comprises: controller means for delivering a parameter acquisition command to the object position measuring sensor and the measuring camera or the measuring camera position measuring sensor, for controlling the measuring camera based on parameters acquired from the object position measuring sensor and the measuring camera or the measuring camera position measuring sensor, and for acquiring measurement data by capturing the object image through the measuring camera; three-dimensional data calculating means for creating three-dimensional data; data processing means providing a three-dimensional display of the object; and storage means for storing the three-dimensional data.